

Date: Tue, 12 Jan 93 08:05:01 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #51  
To: Info-Hams

Info-Hams Digest                      Tue, 12 Jan 93                      Volume 93 : Issue    51

Today's Topics:

"ARRL DXCC Desk Status (Backlog) as of 12/28/92"  
    1200Mhz is not a microwave band!  
    2-meter FM repeaters in Nashville TN  
        23  
    AMTOR PK-232 Changeover Command  
    Antenna recommendations needed  
    Clueless Users  
    CTCSS vs. DSQ: What's the difference?  
        EARTHWINDS?????  
    FCC Amateur Licensing and \$\$\$  
        Grove Enterprisex  
    ICOM-725 Info. (was ICOM-726)  
        License Delays (2 msgs)  
    Need recommendations for packet modems  
        On private repeaters  
        rcving keps  
    Ringo Ranger II performance

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 12 Jan 93 03:28:22 GMT  
From: decrcrl!news.crl.dec.com!pa.dec.com!mast.enet.dec.com!reisert@decwrl.dec.com  
Subject: "ARRL DXCC Desk Status (Backlog) as of 12/28/92"  
To: info-hams@ucsd.edu

Msg #726 From: WB1HBB Date: 10-Jan 0156Z Subj: ARRL DXCC Desk Stats - 12/28/

DXCC Desk Stats:

	Processed		Backlog	
	Cards	Applications	Cards	Applications
	-----	-----	-----	-----
12/11/92	14,103	152	244,372	3,336
12/20/92	14,774	183	237,226	3,252
12/28/92	9,409	119	233,751	3,209

Current in process: As of 12/24 DXCC Desk was processing work received on July 21st.

Outgoing mail: Mailing out work received during the period of June 01 to July 21. There are 20 outstanding items on the backlog that were received prior to that period.

This report will be cumulatively posted each week for your information.

Warren Rothberg, WB1HBB  
New England Division Vice Director  
ARRL

-----  
Date: Tue, 12 Jan 1993 13:42:50 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!emory!  
rsiatl!ke4zv!gary@network.UCSD.EDU  
Subject: 1200Mhz is not a microwave band!  
To: info-hams@ucsd.edu

In article <1052@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:  
>In article <9301051454.AA02438@tix.timeplex.com> taylor@tix.timeplex.COM (Seth  
Taylor) writes:

>>Since so called "microwave ovens" operate in the UHF designation  
>>frequency range why don't we call them a "UHF" ? Think about that  
>>one.

>>

>>Seth T. KC2WE

>

>Eh? 2450 MHz sounds like S-band microwave to me!

Ah, but the ARRL still clings to the 1947 Atlantic City nomenclature which says anything between 300-3000 Megacycles is UHF. The CCIR doesn't consider that correct nomenclature anymore, but so it goes. S band microwave is an even older nomenclature used by the military. It's not acceptable either. The CCIR says they should be called "band 6" or "hectometric" waves, or the really preferred nomenclature is to simply spell out the

Megahertz frequency span.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				emory!ke4zv!gary@gatech.edu

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Date: 12 Jan 93 13:58:39 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 2-meter FM repeaters in Nashville TN  
To: info-hams@ucsd.edu

<Tim Kallio (long hard to decipher address) writes:>

> I am interested in finding 2-meter repeater and packet frequencies for  
> the Nashville, TN or central TN area. Any help would be greatly  
> appreciated.

Some basics for the area:

145.23- (North Rutherford County nr Smyrna)  
145.49- (Short Mountain)  
146.67- (West Nashville)  
146.76- (RATS - Nashville)  
146.79- (Music City ARA)  
146.88- (N4TK)  
146.91- (Short Mountain)  
146.94- (West Nashville)  
147.015+ (Nashville)  
147.15+ (Dickson -- west about 40 miles)  
147.30+ (Gallatin -- north but covers anyway)

For more packet data (there is a digipeater on 145 but I am not sure of  
the freq) best bet is to ask K4ABT, Buck Rogers, on the 147.30+ machine)  
Hope this helps...

-----

Jack GF Hill	Voice: (615)459-2636	root@jackatak.raider.net
P. O. Box 1685	modem: (615)377-5980	Compu\$erve 76427,31
Brentwood, TN 37024	Bicycling and SCUBA Diving	Ham Call: W4PPT

+-----+

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Date: Mon, 11 Jan 1993 14:11:27 -0600

From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!swrinde!  
zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!The-Star.honeywell.com!umn.edu!  
uum1!kksys.com!tdkt!FredGate@network.  
Subject: 23  
To: info-hams@ucsd.edu

I HAVE A INTERST IN HAM RADIO,DO KNOW SOME LOCAL OPERATERS,NOT SURE OF  
WHAT I CAN SAY, ANY INFORMATION ON THE SUBJECT WOULD WELCOME,THANK YOU.

-----  
Date: Tue, 12 Jan 1993 15:36:14 GMT  
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!mlb.semi.harris.com!  
spuds.mlb.semi.harris.com!rliles@network.UCSD.EDU  
Subject: AMTOR PK-232 Changeover Command  
To: info-hams@ucsd.edu

For those of you using the PK-232 in AMTOR operation:

When you are the receiving station in ARQ, is there a way to force a changeover  
with CTRL-Key combinations, without having to go to the cmd: and enter 'ACHG'?  
I have not found anything within the manual, but I have found several items  
not clearly documented.

For simplicity, I running a dumb terminal to the PK-232 and do not wish replys  
concerning software solutions.

Thanks,

Ray

-----  
\ \ \ | Harris Semiconductor  
 \--\--\ | Mail Stop 58-032  
 \ | \ | | P.O. Box 883  
 | | | | Melbourne, Florida 32902  
 | | | | 407-729-4640 (Office)  
 | | | | 407-729-4029 (FAX)  
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-----  
Date: 12 Jan 93 09:49:41 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: Antenna recommendations needed  
To: info-hams@ucsd.edu

In article <1993Jan11.155125.12537@shearson.com>,

mjohnsto@jenny.shearson.com (Mike Johnston) wrote:

> I've finally gotten the ok from my landlady to install a rooftop antenna  
> on my house. (YIPPEE!) The antenna will be used for 2m/440 operation. I'm  
> a complete newcomer to the field and am impatiently awaiting my tickets  
> arrival and I need to do \*SOMETHING\* to take the edge off my anxiety.  
> I want to put something up that will offer respectable performance without  
> making the house look like a CIA substation. I'd like to spend no more  
> than \$100 for a antenna that will accomplish this. (Not counting cable etc).

MJ-

As you noted, there are several dual-band antennas on the market. They will probably all work well. However, I would stay away from the Radio Shack Discone, unless I really needed it for the other frequencies it covers. It is reported to be a good antenna for scanning, but doesn't have nearly the gain of the dual band antennas.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

-----  
Date: 12 Jan 93 14:49:49 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Clueless Users  
To: info-hams@ucsd.edu

>Date: 7 Jan 1993 05:29:12 GMT  
>From: ucsd.edu!brian@network.UCSD.EDU  
>Subject: SUBSCRIBE info-hams  
>To: info-hams@ucsd.edu  
>  
>From: clueless@mantis.co.uk  
>To: clueless@mantis.co.uk  
>Subject: Welcome, clueless user!

...Leaving out clever but somewhat obnoxious material which hints at but does not state the distinction between a mailing list address and its administrative address.

>If, on the other hand, you simply have no clue how to deal with mailing  
>lists, you'd better start reading up on the subject before you go  
>blundering around again. Your attention is cordially drawn to the  
>newsgroups news.announce.newusers, news.newusers.questions, and  
>news.answers.  
:-)

Question 1: Why do THESE messages get propagated around the mailing

list rather than going to the specific offender? Is not that infraction similar to the one being ridiculed?

Question 2: Since most people who use the Info-Hams mailing list do not (for one reason or another) have access to usenet news, how are they supposed to read newsgroups news.announce.newusers, news.newusers.questions, and news.answers? If they could read those groups, would they not subscribe to rec.radio.amateur or whatever the old net.ham-radio newsgroup is called these days and give the venerable Info-Hams Digest the boot? Or maybe they can't figure out how to unsubscribe :-).

73

Jack K4FRS  
bme1.utmem.edu

Temporary Info-Hams Digest Captive

Apologies to rec.radio.amateur.misc.repeater.closed,  
rec.radio.amateur.misc.faqs, rec.radio.amateur.misc.faqs.pointerstofaqs  
and rec.radio.amateur.misc.newamateur.fcc.conspiracyorpecadillo.callemancussem  
for the bandwidth.

-----  
Date: Tue, 12 Jan 1993 13:52:15 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!emory!  
rsiatl!ke4zv!gary@network.UCSD.EDU  
Subject: CTCSS vs. DSQ: What's the difference?  
To: info-hams@ucsd.edu

In article <1993Jan11.162858.12996@shearson.com> mjohnsto@jenny.shearson.com (Mike Johnston) writes:

>

>I'm a little confused over the precise uses for the subaudible tones  
>verses digital squelch. As I understand it:

>

- > - CTCSS Tones are generally used to access repeaters that use them.
- > - DSQ is used to open the squelch on radios that support it.

>

>This seems pretty cut and dried. However, I noticed in my Alinco manual that  
>it appears both could really be used for the same thing IE paging a specific  
>ham or group of hams that have their radios properly configured, in addition  
>to opening up a repeater that requires CTCSS tones or Touch-Tone access.

>

>Since I don't have my ticket yet I haven't been able to do any experimenting  
>or talking with local hams about the regional uses of this, so I must ask  
>the net-at-large: Which of these is the more commonly accepted method  
>of paging another ham? Do people actually use it frequently or is it too  
>new to have widespread usage?

The problem with CTCSS through repeaters is that most repeaters won't  
\*pass\* the tones. Therefore you can use them to signal the repeater,

but not a listener of the repeater. In band signalling, either DSQ or TT, is what's usually used for paging. Some repeaters also mute TT, so DSQ is the real way to go.

>One last question. While listening to the local repeaters this weekend, I  
>noticed that occasionally a ham would break into a conversation to 'make  
>a call'. Generally they'd give their call sign and that of the person  
>they were trying to call. They'd do this twice if the person didn't  
>answer the first time. Now, I know the other ham could be just listening  
>to his radio and waiting for someone to shout his call, but it seems to  
>me that this would be an ideal use for CTCSS tones IE his squelch opens  
>and he can then hear his buddy calling.

>

>Since I can't hear the tones (by definition they're subaudible) I have  
>no way of knowing whether they're using it or not. Is this common or  
>are people just spending their entire days listening to repeaters, or are  
>they using CTCSS tones?

People \*really\* do spend their days listening to the repeater. Or more likely, they agree in advance to listen for their friends at certain times. Paging is not widely accepted yet in the amateur ranks. Having a dead speaker when the S meter is pegged makes some people nervous. They're sure that they are missing something important. It also encourages people to transmit at inappropriate times. That's not as bad as sitting on the mike while having an argument with your wife, but it can be annoying to others.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				emory!ke4zv!gary@gatech.edu

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Date: Tue, 12 Jan 93 12:27:56 GMT  
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!mojo.eng.umd.edu!  
tedwards@network.UCSD.EDU  
Subject: EARTHWINDS?????  
To: info-hams@ucsd.edu

I noticed the EarthWinds balloon is preparing for launch in the next few days. Does anyone still have the info on what ham radio operations will be going on during the mission?????

de N3HAU

-----  
Date: Tue, 12 Jan 1993 13:52:21 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!linus!linus.mitre.org!mwvm.mitre.org!  
m14494@network.UCSD.EDU  
Subject: FCC Amateur Licensing and \$\$\$  
To: info-hams@ucsd.edu

Scott Richard Rosenfeld writes:

> The FCC doesn't get any money from amateur licensing because hams are a  
> "National Resource."

Sorry to burst your bubble, but dropping ham licensing fees  
had absolutely nothing to do with hams or their value to the  
community. A ruling made it illegal for the Federal government  
to charge fees for any license it issues, not just ham tickets. Ham  
radio is of virtually no interest to the FCC; they're really concerned  
with big communications networks, broadcasters, etc. They hardly  
ever even notice ham radio, and when they do, it's to figure out ways  
to make us go away. You're right, though, that our long term best  
interests are well served by continuing the ham traditions of public  
service and adherence to regulations.

Mike, N4PDY

\*\*\*\*\*  
\* These are my opinions only.\*  
\*\*\*\*\*

-----  
Date: 12 Jan 93 13:54:57 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Grove Enterprisex  
To: info-hams@ucsd.edu

To Dave, N2RTU:

The Grove Enterprises number is 1-800-438-8155.  
They are great to do business with and publish an excellent magazine  
for those of us who like to monitor the airwaves.

Bob  
N50MW

-----  
Date: Tue, 12 Jan 1993 13:31:13 GMT



From: usc!howland.reston.ans.net!paladin.american.edu!gatech!emory!wa4mei!ke4zv!  
gary@network.UCSD.EDU  
Subject: ICOM-725 Info. (was ICOM-726)  
To: info-hams@ucsd.edu

In article <randall.726545044@seashore> randall@informix.com (Randall Rhea)  
writes:

>

>If you want a base station, I would spend a little extra money  
>for a 735. The 735 is generally regarded as the best of the  
>low-end rigs. I have both, and I certainly prefer the 735.

I would second Randall's comments. The 735 and an AH-3 are a  
super combination for mobile or home use.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				emory!ke4zv!gary@gatech.edu

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Date: 12 Jan 93 16:11:12 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: License Delays  
To: info-hams@ucsd.edu

>>Besides, and more important, that DOESN'T generally go to the  
>>volunteer examiners. It goes to the \_volunteer examiner  
>  
>New factoid (for me). Thought the \*team\* got it. Goes to the League, eh?  
>Or Fred.

and they have to justify the collection of the money (what you take in you  
have to spend on running the coordination job).

bill wb9ivr

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Date: Tue, 12 Jan 1993 15:00:26 GMT  
From: das.wang.com!wang!dbushong@uunet.uu.net  
Subject: License Delays  
To: info-hams@ucsd.edu

popovich@cs.columbia.edu (Steve Popovich) writes:

>In article <Pine.3.05.9301101152.A27815-9100000@uafhp.uark.edu>,  
>plaws@uafhp.uark.edu (Peter Laws) writes:

>> Ya know, maybe if we paid more than \$0.56/yr for our licenses...  
>> [...]

>And as for the FCC getting  
>NOTHING, they're a Federal Government agency, so even if we're not  
>paying them directly, we're paying them, make no mistake about it!

Let me check..... pull out the ol' paystub here..... ah, yes.  
They are getting paid.

Dave

--

Dave Bushong, Wang Laboratories, Inc.   Amateur Radio Callsign KZ10  
Project Leader, OCR products           kz1o@n0ary.#noca.ca.na  
Internet: dbushong@wang.com

-----  
Date: Tue, 12 Jan 93 13:41:12 GMT  
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!mojo.eng.umd.edu!  
tedwards@network.UCSD.EDU  
Subject: Need recommendations for packet modems  
To: info-hams@ucsd.edu

In article <1993Jan11.154518.12398@shearson.com> mjohnsto@jenny.shearson.com (Mike  
Johnston) writes:

>  
>I want to get a packet TNC and I can't decide which model is best for me.  
>The recommendations I've gotten thus far run from the Tigertronics/Baycomm  
>setup to the KAM All-Mode unit, which is quite expensive for my current  
>tasts.

My advice to you is to either buy the cheapest packet-only TNC you can  
find, unless you really want to get into RTTY or HF packet.

When you do get some money to spend (say \$500-\$700), grab a DSP modem.  
I've been using the AEA-1232 DSP, and it's fun, though I'll admit that  
it's main use right now is for packet satellites because we haven't  
hooked it up to HF yet. But it's great for shooting off to 2400 baud  
PBBS's! I have had trouble finding \_anyone\_ to do a 4800 baud QSO  
though in the DC area. And, oh yeah, AEA products are really good

at decoding CW, somethin Kantronics doesn't seem to do as good  
a job with for some reason...

And, oh yeah, get into TCP/IP once you understand basic packet stuff.

de N3HAU

-----  
Date: 12 Jan 93 09:29:29 GMT  
From: decctrl!news.crl.dec.com!dbased.nuo.dec.com!e2big.mko.dec.com!  
engage.pko.dec.com!nnnpd.lkg.dec.com!nnnpd2.cxo.dec.com!nuts2u.enet.dec.com!  
little@decwrl.dec.com  
Subject: On private repeaters  
To: info-hams@ucsd.edu

jreese@NeoSoft.com (Jim Reese) writes:

>Oh, so it's OK to operate simplex on someone's repeater input, but not in the  
>SSB and CW bands...I get it...

The FCC restricts the first 100 KHz of the 6 meter and 2 meter bands to CW.  
The rest of the VHF/UHF bands are only governed by the band plans which are  
a "gentleman's agreement", i.e. strongly suggested, but not legislated.

This whole argument essentially boils down to:

- 1 Some things the FCC regulates
- 2 Some things are up to the amateur radio community to self govern
- 3 Most of the replies here indicate an unwillingness to understand or bother  
to learn the difference

73,  
Todd  
N9MWB

-----  
Date: 12 Jan 93 09:40:58 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
Subject: rcving keps  
To: info-hams@ucsd.edu

In article <9301112220.AA40713@lamar.ColoState.EDU>,  
lupine@lamar.colostate.edu (Kevin Moore) wrote:  
> Would you please put me on the e-mail list for 2-line orbital elements?  
> Also if you can, I would appreciate elements for as many satellites as possible,  
> not just the ham sats.

Kevin-

I didn't know there was an e-mail list for the 2-line elements. If you have access to the anonymous ftp sites, look at archive.afit.af.mil, in the /pub/space directory. There are several files available, adding up to 10 or 20 K of data. This data has usually been updated at least once a week, and sometimes once a day.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

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Date: Tue, 12 Jan 1993 15:21:44 GMT  
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.UCSD.EDU  
Subject: Ringo Ranger II performance  
To: info-hams@ucsd.edu

In <11421aINN4@exodus.Eng.Sun.COM> wdh@oversteer.Eng.Sun.COM (Dennis Henderson) writes:

>The Ringo Ranger II performed much better than a Jpole for me. I replace  
>a Jpole with a RR-II using the same mast and coax. Repeaters that were not  
>workable with the Jpole became reliably workable with the RR-II.

>The jpole was the American Legion unit which is popular in No Cal and well built.

Just a note from the other side: I have built and sucessfully used copper tube jpoles for several years using the tried and true trim and try, slide and match method. Once done, these are clean on transmit and rx was good as far away as any Ringo I've tried. I dislike the capacitive connection used on the A.L. units, although I understand they work well too if they are properly tuned with the antenna \_in place\_ (move the wrapped section slightly up or down the pole and spread the windings (or compress slightly) as needed).

I also installed a R.R. II for the Williamson Co. Texas emergency operations center. While it was okay, I was never happy with the vswr on 440 and even felt like the 144 was marginal no matter how carefully I adjusted it. Granted this was a side mount on the tower, and a copper jpole might not have done any better. But I do appreciate the mechanical simplicity of the copper-pole at the home QTH.

Cheers, Ed Humphries N5RCK HP CRC Atlanta GA

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Date: Tue, 12 Jan 1993 13:17:46 GMT  
From: usc!howland.reston.ans.net!paladin.american.edu!gatech!emory!wa4mei!ke4zv!  
gary@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jan8.195536.18303@venus.ic.cmc.ca>,  
<1993Jan9.141959.17257@ke4zv.uucp>, <1is80mINNb0r@clover.csv.warwick.ac.uk>  
Reply-To : gary@ke4zv.UUCP (Gary Coffman)  
Subject : Re: intermod, overload, desense?

In article <1is80mINNb0r@clover.csv.warwick.ac.uk> esrlb@csv.warwick.ac.uk (Mr S  
Browne) writes:

>In article <1993Jan9.141959.17257@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)  
writes:

>>If you want to build a notch filter, install a Tee in your  
>>antenna feedline, attach the feedline to an FM broadcast  
>>receiver, and attach a length of coax to the odd leg that  
>>is slightly more than a quarterwave at the offending

> ^^^^^^^^^^^^^  
>>station's frequency. Short this cable at it's free end.  
> ^^^^^

>>  
>>Ant-----T-----radio  
>> |  
>> |  
>> short  
>

>Seems to me that it's an open-circuited quarter wave stub that's needed.  
>In the diagram above, the short would be transformed by the quarter wave  
>section to look like an open circuit at the tee, and therefore little  
>effect at the frequency it's cut for would result. If it was open circuit  
>at the far end, it would transform to a short at the tee end, however.  
>If it were a half wave in length, you'd want it to be shorted.  
>Velocity factor of the cable needs to be taken into account, of course.

Yipe! You're right Simon.

Gary

--  
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary  
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary  
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary  
Lawrenceville, GA 30244 | | emory!ke4zv!gary@gatech.edu

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End of Info-Hams Digest V93 #51

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